Abstract

[0043]   A method and Wireless Local Area Network (WLAN) Access Point Controller (APC) for translating signalling and traffic Point-to-Point Protocol PPP over Ethernet (PPPoE) data frames into PPP over Generic Routing Encapsulation (GRE) data frames, and vice-versa. When a Wireless Local Area Network (WLAN) is implemented into a CDMA2000 network, a WLAN client

5   sends PPPoE data frames to a WLAN Access Point Controller (APC) that connects to a CDMA2000 Packet Data Service Node (PDSN). The WLAN APC receives the downlink PPPoE data frames and converts them in PPP over GRE data format understood by the CDMA2000 PDSN, and relays the translated frames to the PDSN. In the uplink, the WLAN APC receives PPP over GRE data frames from the PDSN, frames that are intended for the WLAN client, and

10   translates them into PPPoE data frames, which are relayed to the WLAN client.